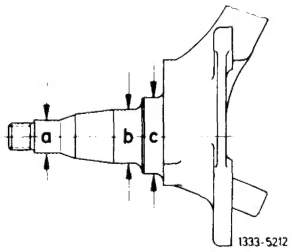
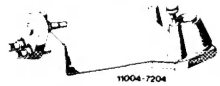
Data

Permissible runout of wheel spindle on bearing seats			0.05
Wheel spindle		Bearing seat "a"	21.44 21.43
		Bearing seat "b"	34.93 34.92
Dia. of running surface "c" for radial sealing ring			50.00 49.84
Permissible deformation in	Direction of camber	Measuring plane A 1	0.7 ± 0.7
		Measuring plane A 2	2 ± 2
	Direction of caster	Measuring plane B 1	0.7 ± 0.7
		Measuring plane B 2	2 ± 2



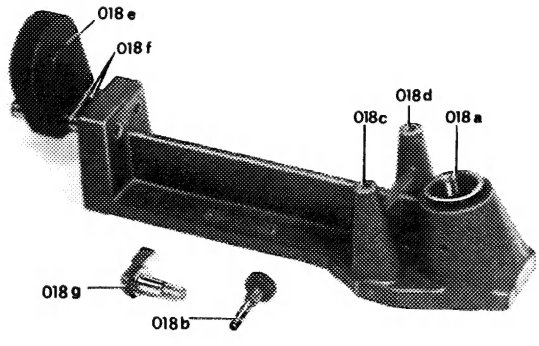
Special tool

Inspection tool for steering knuckle		116 589 05 23 00

Checkup

1 Place steering knuckle with wheel spindle into mounting device (018a) of inspection tool.

If the steering knuckle cannot be introduced into mounting device, the wheel spindle is distorted.

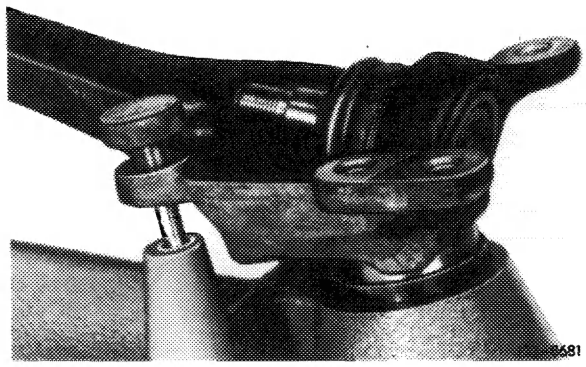


133-8680

Inspection tool

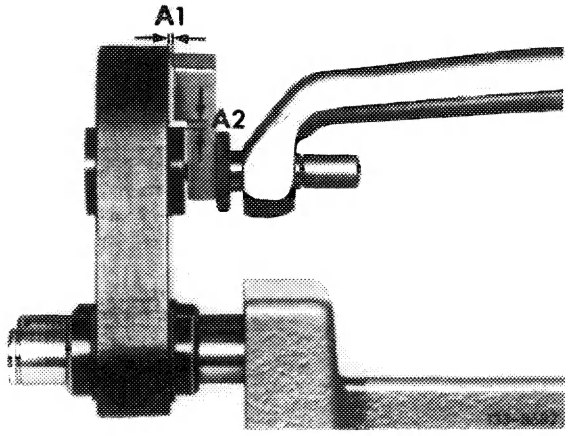
018b Locating screw
018c Locating bore for lefthand steering knuckle
018d Locating bore for righthand steering knuckle
018e Measuring plate
018f Guide pin
018g Measuring indicator

2 Attach steering knuckle with locating screw into locating bore for lefthand or righthand steering knuckle.



3 Insert measuring indicator into holding device for ball pin of guide joint and move measuring plate into contact with center of measuring indicator.

Note: For checking lefthand or righthand steering knuckle, the measuring plate is always mounted on both guide pins turned by 180°.

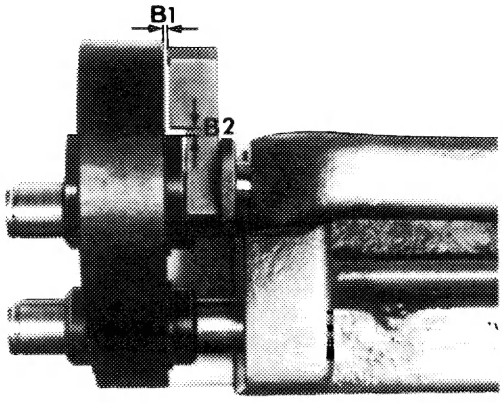


Permissible deformation of steering knuckle in direction of camber (A).

4 Turn measuring indicator by 360°.

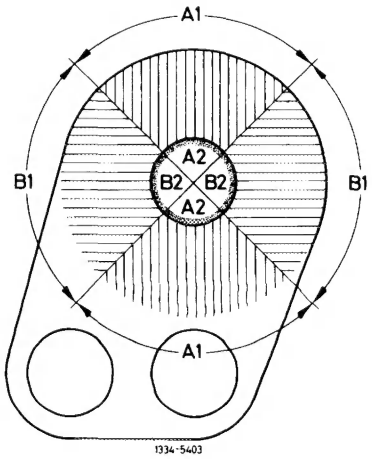
The permissible limit is exceeded when the measuring indicator cannot turn by 360°.

Attention!
When turning measuring indicator, measuring plate should rest against center of measuring indicator.



Permissible deformation of steering knuckle in direction of caster (B).

133-8683



1334-5403

Measuring plane A1 and A2
Permissible deformation in direction of camber

Measuring plane B1 and B2
Permissible deformation in direction of caster